Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

Claims 1-12 (canceled)

13. (new) A method of adjusting a width of write pulses in a recording system, comprising:

successively copying control values to a plurality of registers which are successively arranged in a plurality of stages;

generating timings at which the control values are successively copied to the registers in subsequent stages; and

adjusting the width of the write pulses based on the control value which is held by one of said registers.

14. (new) A method of adjusting a width of write pulses in a recording system, comprising:

successively copying control values to a plurality of registers which are successively arranged in a plurality of stages;

generating timings at which the control values are successively copied to the registers in subsequent stages; and

adjusting the width of the write pulses based on the control value which is held by a register in a final stage.

15. (new) The method as claimed in claim 14, wherein said adjusting adjusts the width of the write pulses during recording of data on a recording medium.

16. (new) The method as claimed in claim 14, further comprising:

selecting the control value which is held by the register in the final stage during recording of data on a recording medium, for use by said adjusting.

17. (new) The method as claimed in claim 14, further comprising:

detecting a specific pulse length of the write pulses,

wherein said generating generates one of the timings based on a timing at which said detecting detects the specific pulse length.

18. (new) The method as claimed in claim 17, further comprising:

comparing a frequency of a channel clock having a variable frequency and a frequency of a clock having a fixed frequency, and outputting a compared result,

wherein said generating generates one of the timings depending on the compared result.

19. (new) The method as claimed in claim 14, wherein the recording system records data

on a recording medium selected from a group consisting of CD-R/RW, DVD-R/RW and DVD+RW.

20. (new) A method of adjusting a width of write pulses in a recording system, comprising:

successively copying control values to a plurality of registers which are successively arranged in a plurality of stages;

generating timings at which the control values are successively copied to the registers in subsequent stages;

selecting the control value held by a register in a final stage; and

adjusting the width of the write pulses by switching the width based on the control value selected by said selecting during recording of data on a recording medium.

21. (new) The method as claimed in claim 20, further comprising:

detecting a specific pulse length of the write pulses,

wherein said generating generates one of the timings based on a timing at which said detecting detects the specific pulse length.

22. (new) The method as claimed in claim 21, further comprising:

comparing a frequency of a channel clock having a variable frequency and a frequency of a clock having a fixed frequency, and outputting a compared result,

wherein said generating generates one of the timings depending on the compared result.

23. (new) The method as claimed in claim 20, wherein the recording system records data on a recording medium selected from a group consisting of CD-R/RW, DVD-R/RW and DVD+RW.

24. (new) A write pulse generator comprising:

an adjusting section to adjust a width of write pulses to be generated;

a plurality of registers in which control values of adjusting made by said adjusting section are set;

a selecting section to select a control value from said registers and to supply the control value from said registers and to supply the control value to said adjusting section; and

a timing generator,

said register being successively arranged in a plurality of stages so that the control values are successively copied to the registers in subsequent stages,

said timing generator generating timings at which the control values are successively copied to the registers in subsequent stages.

25. (new) The write pulse generator as claimed in claim 24, wherein said adjusting section switches the width of the write pulses during recording of data on a recording medium based on the control value selected and supplied by said selecting section.

26. (new) The write pulse generator as claimed in claim 24, further comprising:

a detector to detect a specific pulse length of the write pulses,

said timing generator generating one of said timings based on a timing at which said detector detects the specific pulse length.

27. (new) The write pulse generator as claimed in claim 26, further comprising:

a comparator to compare a frequency of a channel clock having a variable frequency and a frequency of a clock having a fixed frequency, and to output a compared result,

said timing generator generating one of said timings depending on the compared result.

28. (new) A write pulse generator comprising:

adjusting means for adjusting a width of write pulses to be generated;

a plurality of registers in which control values of adjusting made by said adjusting means are set;

selecting means for selecting a control value from said registers and supplying the control value to said adjusting means; and

a timing generator,

said register being successively arranged in a plurality of stages so that the control values are successively copied to the registers in subsequent stages,

said timing generator generating timings at which the control values are successively

copied to the registers in subsequent stages.

29. (new) The write pulse generator as claimed in claim 28, wherein said adjusting means switches the width of the write pulses during recording of data on a recording medium based on the control value selected and supplied by said selecting means.

30. (new) An apparatus comprising:

a recording system to write data on a recording medium during a recording by a light beam which is emitted in response to write pulses; and

a write pulse generator to generate the write pulses,

said write pulse generator comprising:

an adjusting section to adjust a width of write pulses to be generated;

a plurality of registers in which control values of adjusting made by said adjusting section are set;

a selecting section to select a control value from said registers and to supply the control value to said adjusting section; and

a timing generator,

said register being successively arranged in a plurality of stages so that the control values are successively copied to the registers in subsequent stages,

said timing generator generating timings at which the control values are successively copied to the registers in subsequent stages.

31. (new) The apparatus as claimed in claim 30, wherein said adjusting section switches the width of the write pulses during the recording based on the control value selected and supplied by said selecting section.

32. (new) The recording system as claimed in claim 30, wherein said write pulse generator further comprises a detector to detect a specific pulse length of the write pulses, said timing generator generating one of said timing based on a timing at which said detector detects the specific pulse length.

33. (new) The apparatus as claimed in claim 32, wherein said write pulse generator further comprises a comparator to compare a frequency of a channel clock having a variable frequency and a frequency of a clock having a fixed frequency, and to output a compared result, said timing generator generating one of said timings depending on the compared result.

34. (new) An apparatus comprising:

a recording system to write data on a recording medium during a recording by a light beam which is emitted in response to write pulses; and

a write pulse generator to generate the write pulses,

said write pulse generator comprising:

adjusting means for adjusting a width of write pulses to be generated;

a plurality of registers in which control values of adjusting made by said adjusting means are set;

selecting means for selecting a control value from said registers and supplying the control value to said adjusting section; and

a timing generator,

said register being successively arranged in a plurality of stages so that the control values are successively copied to the registers in subsequent stages,

said timing generator generating timings at which the control values are successively copied to the registers in subsequent stages.